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# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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सं० 41] नई विल्ली, शनिवार, अक्टूबर 10, 1981 ( आश्विन 18, 1903)

No. 41] NEW DELHI, SATURDAY, OCTOBER 10, 1981 (ASVINA 18, 1903)

इस भाग में खिल्ली पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

### PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 10th October 1981

CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 28th March 1981 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 164, column 2, line 7 against No. 148545—  
for Application No. 339/Cal/78.  
read Application No. 393/Cal/78.

(2)

In the Gazette of India, Part III, Section 2 dated the 13th June 1981, under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 322, column 1, line 1, against "CLASS : 163B + C & 129P" put serial No. 148789 at the right hand top corner.

In page 323, column 1, line 1, against "CLASS : 120C4 and 129P" put serial No. 148795 at the right hand top corner.

(3)

In page 323, column 1, line 1, against "CLASS : 132A2 + C" put serial No. 148796 at the right hand top corner.

In the Gazette of India, Part III, Section 2, dated the 6th June 1981 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 298, column 2, line 5 and 6 against No. 148769—  
for Applicants : MYRON GRANT HAMPTON ENGLAND.

read Applicants : MYRON GRANT HAMPTON and DAVID JOHN MILLIN.

for Inventors : HAMPTON HYRON GRANT AND MILLIN DAVID JOHN.

read Inventors : MYRON GRANT HAMPTON and DAVID JOHN MILLIN.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE—214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

3rd September, 1981

989/Cal/81 Kрупп-Копперс Гесellschaft Mit Beschränkter Haftung. Process for the catalytic treatment of crude gas produced by partial oxidation.

990/Cal/81 Energy Materials Corporation. Method and apparatus for producing crystalline ribbons.

991/Cal/81. Edgar Malcolm Stubbersfield and Leslie Victor Shaw. Notching tool. (September 12, 1980).

992/Cal/81 Gould Inc. Battery vent plug with flame arrestor.

993/Cal/81 Hydrodynamic Energy Systems Corporation. Apparatus for increasing the velocity of water flow for electric power generation and other uses.

4th September, 1981

994/Cal/81. Worcester Controls (U.K.) Limited. Improvements in or relating to apparatus for generating reciprocatory motion. (September 4, 1980).

995/Cal/81. Formica Corporation. Method for the production of a powdered phenolic resole resin.

5th September, 1981

996/Cal/81. British Railways Board. Measuring vehicles for roadways. (September 5, 1980).

997/Cal/81. J. M. Parra. A system for the generation of electrical energy by utilizing and controlling wind energy.

998/Cal/81. The Lubrizol Corporation. Mixed alkyl esters of interpolymers for use in crude oils.

999/Cal/81. D. K. Sinha. A combined clutching and braking pedal (lever) with smoothly engaging clutch for automobiles and the like vehicles.

7th September, 1981

1000/Cal/81. American Cyanamid Company. N-denitration of N, 2, 6-trinitroanilines with phase transfer catalysts.

1001/Cal/81. Energy Conversion Devices, Inc. Method for optimizing photoresponsive amorphous alloys and devices.

1002/Cal/81. Energy Conversion Devices, Inc. Method of making photoresponsive amorphous germanium alloys and devices.

1003/Cal/81. Energy Conversion Devices, Inc. Method for grading the band gaps of amorphous alloys and devices.

1004/Cal/81. Energy Conversion Devices, Inc. Method for increasing the band gap in photoresponsive amorphous alloys and devices.

1005/Cal/81. Energy Conversion Devices, Inc. Multiple cell photoresponsive amorphous alloys and devices.

1006/Cal/81. Energy Conversion Devices, Inc. Method and apparatus for making a modified amorphous glass material.

#### APPLICATIONS FOR PATENT FILED AT PATENT OFFICE BRANCH,

MUNICIPAL MARKET BUILDING, III RD FLOOR,  
KAROL BAGH, NEW DELHI-5

3rd August, 1981

490/Del/81. Bharat Heavy Electricals Limited. "Flat Plate Solar Collectors".

491/Del/81. Council of Scientific & Industrial Research. "Dust Arrestor for large diameter deep hole drilling for opencast mines."

492/Del/81. The University of Manchester Institute of Science and Technology. "Process for the preparation of Biomass." (October 20, 1977) [Divisional date October 6, 1978].

4th August, 1981

493/Del/81. Pfizer INC., "Pharmacologically Active 4-[2-Hydroxy-4-(Substituted) Phenyl] Naphthalen-2-(1H)-Ones and 2-01s, Derivatives Thereof and Intermediates Therefor."

494/Del/81. Francois Gemignani. "An Isolating Valve or Stopcock."

495/Del/81. John Lysaght (Australia) Limited. "Hot-Dip-Coating of Ferrous Strands." (August 19, 1980).

5th August, 1981

496/Del/81. R2 Corporation. "Physiological Electrode System."

497/Del/81. Markisches Work GMBH. "Valve-Assembly Having a Valve-Rotating Device." (August 19, 1980).

498/Del/81. Council of Scientific & Industrial Research. "Improvements in or relating to Tractor driven combine Harvester."

6th August, 1981

499/Del/81. The Direct Reduction Corporation. "Method for achieving Low Sulfur Levels in the DRI Product from Iron Oxide Reducing Kilns."

7th August 1981

500/Del/81. Council of Scientific & Industrial Research. "A Process for the synthesis of substituted-S-triazino (2', 1'16, 1) pyridine (3, 4-b) indoles." [Divisional date May 8, 1980].

501/Del/81. Pfizer INC., "Pharmacologically Active 2-Hydroxy-4-(Substituted) Phenyl Cycloalkanes, Derivative\*thereof and Intermediates therefor."

10th August, 1981

502/Del/81. Werkzeugmaschinenfabrik Oerlikon-Bührle AG. "Process and Cutter head for generating Gear Wheels with longitudinally Crownedteeth as well as application of the process and a Gear Wheel made according to the process."

503/Del/81. Peabody Holmes Limited. "Fluid Injector." (August 22, 1980).

504/Del/81. Peabody Holmes Limited. "Fluid Injector." (August 22, 1980).

505/Del/81. Peram Venkata Syamala Rao. "Static Electric Generator."

#### APPLICATIONS FOR THE PATENTS FILED AT THE PATENT OFFICE BRANCH, TODI ESTATES, III FLOOR, LOWER PAREL (W) BOMBAY-13

27th July, 1981

217/Bom/81. Satish Manohar Pradhan. Suitcase-cum-battery brief case & trunk-cum-battery.

218/Bom/81. Sudhakar Anna Patil. Multi purpose seed and seed-cum-fertilizer drill.

219/Bom/81. General Industrial Controls Private Limited. An improved sliding rotor motor.

220/Bom/81. Ashok Chopra. A process for the manufacture of base boards for the pictorial representation of linear diagrams.

28th July, 1981

221/Bom/81. Fritz Stahlecker. Ply yarn spinning assembly.

29th July, 1981

222/Bom/81. Hoechst Pharmaceuticals Limited. A process for the preparation of novel chemotherapeutic bisamidine derivatives of 3', 3'-dinitrodiphenyl and pharmaceutically acceptable salts thereof.

30th July 1981

223/Bom/81. Rupesh Vipinchandra Patel. Replaceable tooth brush with tongue cleaner.

31st July 1981

224/Bom/81. Jagannath Ramchandra Yadav. Device to shred and fabrize sugar-cane.

225/Bom/81. Hindustan Lever Limited. A process for hydrogenation of unsaturated organic material such as oils and fats and/or fatty acids.

1st August, 1981

226/Bom/81. Nemichandra Dada Ganesh Wade. Coffer dam.

6th August, 1981

227/Bom/81. Conundram. Improvements in or relating to plastic cube games for human entertainment.

7th August, 1981

228/Bom/81. Satish Shashikant Kelkar and Vijaya Dhananjay Phatak. A waste heat recovery appliance for a fuel gas stove.

10th August, 1981

229/Bom/81. Rajendran Jeevanandam. Coloured-flame candles.

230/Bom/81. Rathi Industrial Equipments Co. (P) Ltd. Turbo grinding machine.

231/Bom/81. Homi Framroz Manecksha. Improvements in or relating to a gate valve.

11th August, 1981

232/Bom/81. Thekorbhai Mangaldas Patel. A detachable cycle hub-dynamo.

13 August, 1981

233/Bom/81. Jayesh Ramesh Bellare. Improvements in or relating to the cracking of oils.

22nd August, 1981

245/Bom/81. Deccan Sugar Institute. Improvements in or relating to a process and equipment for disposal of concentrated alcohol distillery spent-wash.

24th August, 1981

246/Bom/81. Shodhak Dattatraya Karmalkar. Cycle-Engine.

247/Bom/81. Smt. Manjula Agrawal and another. Improved answer copies showing code numbers with hidden roll numbers.

27th August, 1981

248/Bom/81. Madhav Ramchandra Bakre. An improved electrical switching arrangement which may be operated manually, pneumatically, hydraulically or electromagnetically in either alternating or direct current circuits.

249/Bom/81. Hindustan Lever Limited. A process of making soap.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH,  
61, WALLAJAH ROAD, MADRAS-600002

19th August, 1981

146/Mas/81. C. Hariprasad. & M. R. Narayanaswamy. A Method of Manufacture of Pozzalona Cement employing an addition agent named therein.

22nd August, 1981

147/Mas/81. N. Khundmiri. Improvements in or relating to Intercommunication System.

## ALTERATION OF DATE

149240

—Ante dated to 10th February 1976.

525/D/79

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the sup-

ply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 97A.

149202.

Int. Cl.-H05b 7/00.

## A DEVICE AND PLANT FOR SUPPLYING ENERGY TO AN ELECTRIC ARC FURNACE.

*Applicant* : VEREINIGTE OSTERREICHISCHE EISE-NUND STAHLWERKE—ALPINE MONTAN AKTIEN-GESELLSCHAFT, VIENNA, AUSTRIA.

*Inventors* : GEORG SCHOBERT AND KARL FALTEJ-SEK.

Application No. 1614/Cal/77 filed November 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims

A device for the supply of electric energy to an electric arc furnace by means of an electric generator driven by an engine, characterised by resistor having its power input from the same electrical feeding system with the furnace being automatically connected in series to the electric generator during any periods in which the furnace is de-energized during operation so that the engine is adapted to drive the electric generator with an approximately constant torque.

Comp. Specn. 22 Pages.

Drg. 6 Sheets.

CLASS 206C.

149203.

Int. Cl.-H01p 1/00.

## METHOD OF JOINING CURRENT CONDUCTING COMPONENTS OF WAVE GUIDE ELEMENTS AND PRODUCING OF THE SAME.

*Applicant* : FINOMMEECHANIKAI VALLALAT, OF BUDAPEST, X. FEHER UT 10, HUNGARY.

*Inventors* : LASZLO PARADI, MIKLOS ACS DR., TIBOR SZUCS AND TIBOR KONKOLY DR.

Application No. 423/Del/77 filed November 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 9 Claims.

Method for joining current conducting components wave guide elements characterized in that said components are fitted together in their final relative position within the wave guide elements characterized in that said components are elements are welded together by means of the beam directed towards the fitting surfaces by using beam welding technology.

Comp. Specn. 21 Pages.

Drg. 3 Sheets.

CLASS 155F.

149204.

Int. Cl.-C09k 3/28.

## A METHOD FOR IMPARTING FIRE-RETARDANCY, FIRE PROOFING AND NOT RESISTANCE TO LIGNO-CELLULOSIC TEXTILE MATERIALS.

*Applicant* : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

*Inventors* : SHYAMAPADA MONDAL AND DR. ASHOK YESHWANT KULKARNI AND DR. ASHIMANANDA ROY.

Application No. 1669/Cal/77 filed December 1, 1977.

Complete specification left January 22, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims. No drawings.

A method of treating lignocellulosic textile materials to render them fire-retardant, fire-proof and rot resistant comprising treating the same with an aqueous solution of urea and diammonium hydrogen phosphate, preferably containing a known wetting agent such as a non-ionic detergent, the ratio of urea : diammonium hydrogen phosphate being from 1 : 1 to 4 : 1 by weight and in which the treating solution contains 30 to 40 percent solids (wt./wt.).

Prov. Specn. 4 Pages Comp. Specn. 9 Pages. Drgs. Nil.  
CLASS 195C. 149205.

Int. Cl.-F16k 19/00, B67d 5/56.

## HOT AND COLD WATER MIXER VALVE.

Applicant : FRIEDRICH GROHE ARMATURENFA-BRIK G.M.B.H. & CO. OF 137 HAUPTSTRASSE, 5870 HEMER, WEST GERMANY.

Inventor : GEORG BERNAT.

Application No. 1721/Cal/77 filed December 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A single-handle mixing valve for mixing hot and cold water sources and providing an output thereof, comprising; a housing having a valve cartridge receiving bore, first and second inlet bores communicating respectively with said hot and cold water sources, and an outlet passageway; a handle; and a valve cartridge inserted into said receiving bore, said cartridge comprising; a bushing having a valve chamber and first, second and third passages respectively communicating with said first and second inlet bores and said outlet passageway; a first valve plate fixably mounted within said valve chamber and having a first surface parallel to the longitudinal axis of said housing, and having first, second and third apertures communicating with said first, second and third passages, respectively; a valve support plate connected to said handle means and extending into said valve chamber; a second valve plate carried by said support plate and having a second surface parallel to said longitudinal axis and adapted to slidably engage said first surface, said second surface having a mixing recess; and slidable pivot means for translating a displacement of said handle in a first direction to a pivotal displacement of said support plate and for translating a displacement of said handle in a second direction to a corresponding displacement of said valve support plate parallel to said longitudinal axis.

Comp. Specn. 9 Pages. Drg. 1 Sheet.  
CLASS 34C. 149206.  
Int. Cl.-D01f 3/28, D06m 1/00.

## IMPROVED PROCESS FOR THE MANUFACTURE OF PREORIENTED AND TEXTURIZED 'NYLON 6' (POLY-CAPRONAMIDE) YARNS.

Applicant : S.N.I.A. VISCOSA S.P.A., OF 18, VIA MONTEBELLO, MILANO, ITALY.

Inventors : PIETRO MORUZZI, FULVIO GRAMPA AND SILVIO BELLONI.

Application No. 1736/Cal/77 filed December 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims.

Improved process for the manufacture of preoriented and texturized 'nylon 6' (polycapronamide) yarns obtained by the polymerization of caprolactam by conventional method characterized in that the spun filaments are wound up at a high speed in the range of from 3000 metres to 4000 metres per minute and that the said filaments are passed through a conditioning zone which may be heated or not, for their processing and then the desired yarns are obtained.

Comp. Specn. 16 Pages. Drg. 2 Sheets.  
CLASS 9D. 149207.  
Int. Cl.-C22c 37/00.

## A METHOD OF PRODUCING CHILL FREE FOUNDRY CASTINGS.

Applicant : TULSKY PROEKTNO-KONSTRUKTORSKY TEKHNOLOGICHESKY INSTITUT MASHINOSTROENIA. OF TULA, ULITSA 9 MAYA, 66, USSR.

Inventors : LEV VLADIMIROVICH PEREGUDOV AND MIKHAIL MIKHAILOVICH MALASHIN.

Application No. 1755/Cal/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims. No drawings.

A method for producing chill-free foundry casting which comprises preparing a molten charge of metal in the usual manner, said molten charge comprising the following elements in weight percent :—

Cabon from 2.8 to 4.0  
Silicon from 1.5 to 2.6  
Manganese from 0.2 to 1.2  
Aluminium from 0.06 to 0.6  
Calcium from 0.04 to 0.1  
Sulfur upto 0.20  
Phosphorus upto 0.30 and  
Iron the balance.

characterized in that the molten metal also includes 0.01 to 0.05 weight percent cerium for controlling the chill zone during solidification, whereafret the said molten metal charge is subjected to solidification in the required mould/s thereby to produce a cast having either (i) no chill surface or (ii) a reduced chill surface than possible in the known art.

Comp. Specn. 13 Pages.

Drugs. Nil.

CLASS—172C. + C.

149208.

Int. Cl.-D01g 15/00.

## DEVICE FOR CUTTING FIBRE MATERIAL LAPPED AROUND ROLLER.

Applicant : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, AN INDIAN REGISTERED BODY, Registered under society's Registration Act, XXI of 1860, P.O. Polytechnic, Ahmedabad-380015, Gujarat, India.

Inventor : (1) MUNISHWAR CHANDER SOOD.  
(2) DAMODARAN RAMAKRISHNAN.

Application No. 20/BOM/1978, Filed Jan. 16, 1978

Complete specification left after provisional on 6 Feb., 1979.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Bombay Branch.

## 5 Claims.

A device for cutting off the fibre material lapped around a roller on spinning machines in textile industry comprising a metal strip bent at the top to form a beak, such as like that of a parrot, the strip tapering before the bend first uniformly on both outer and inner sides and then non-uniformly, with outer side being tapered more than the inner side, the non-uniformly tapering portion of the strip being bent at an obtuse angle, the outer and inner sides of the non-uniformly tapered portion of the strip meeting at the end in a blunt nose, the inner side of the non-uniformly tapered portion being sharpened to a sharp edge beginning from below the blunt nose along the substantial or entire portion of the non-uniformly tapered inner portion.

Provisional Specification : 4 pages. Drawing : 1 sheet.

Complete specification : 6 pages. Drawing : 1 sheet.

CLASS 29A.

149209.

Int. Cl.-G06f 3/00.

## DATA PROCESSING DEVICE FOR VARIABLE LENGTH FORMATS.

Applicant & Inventors : VALERY FEDOROVICH GUSEV, ULITSA KARBYSHEVA, 13-A, KV. 35, KAZAN, USSR, (2) GENNADY NIKOLAEVICH IVANOV, ULITSA DE-KABRISTOV 184-A, KV. 22, KAZAN, USSR, (3) VLADIMIR YAKOVLEVICH KONTAREV, PLOSHAD JUNOSTI, 4, KV. 3, MOSCOW, USSR, (4) GENRIKH ISAEVICH KRENGEL, ULITSA IBRAGIMOVA 45, KV. 49, KAZAN, USSR, (5) EVGENY OLEGOVICH POLIVODA, ULITSA KUIBYSHEVA, 32, KV. 23, KAZAN, USSR, (6) ALEXANDR NIKOLAEVICH SKVORTSOV, ULITSA VOLODARSKOGO, 8, KV. 22, KAZAN, USSR, (7) JURY IVANOVICH SCHETININ, 103536, KORPUS 503, KV. 106, MOSCOW, USSR, (8) VYACHESLAV YAKOVLEVICH KREMLEV, BEREZOVAЯALLEYA, KORPUS 423, KV.

81, MOSCOW, USSR, (9) MANSUR ZAKIROVICH SHAG-  
IVALEEV, ULITSA KARBYSHEVA, 17, KV. 75, KAZAN,  
USSR AND (10) AZAT USMANOVICH YARMUKHAM-  
ETOV, ULITSA ADELYA KUTUYA, 12, KV. 23, KAZAN,  
USSR.

Application No. 107/Cal/78 filed January 28, 1978.

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A data processing device for variable length formats, comprising a control unit, a storage unit coupled to the control unit, two data exchange buses coupled to respective data inputs and to respective data outputs of the storage unit, two switches coupled to the control unit and to respective data exchange buses, an arithmetic/logic unit coupled to the switches, to the control unit and to the storage unit, a data shift unit coupled to the data exchange buses and to the control unit, and a data masking unit coupled to the data exchange buses, to the control unit and to the switches.

Comp. Specn. 17 Pages.

Drg. 4 Sheets.

CLASS 206E & I & J.

149210.

Int. Cl.-H04b 7/08.

SYSTEM FOR AUTOMATICALLY ADJUSTING THE REPEATER GAIN IN A FREQUENCY-DIVISION TRANSMISSION SYSTEM.

Applicant : SOCIETA ITALIANA TELECOMUNICAZIONI SIEMENS S.P.A., PIAZZALE ZAVATTARI 12, 20149 MILANO, ITALY.

Inventor : GIUSEPPE SCOZZARI.

Application No. 398/Cal/78 filed April 11, 1978.

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A system for automatically controlling the gain of repeaters in a frequency-division transmission system comprising a transmitting station, a receiving station, and a plurality of variable-gain repeaters arranged at predetermined intervals along the line connecting the said stations and interposed by a plurality of fixed-gain repeaters, characterised in that each variable-gain repeater (R) comprise a post-adjusting amplifier (AM1) whose output is connected to first means (RG) adapted to detect attenuation in a control frequency generated by the transmitting station (ST) and to generate a gain-adjusting signal so as to bring the level of the said control frequency to the nominal value, as well as in that the output of the post-adjusting amplifier is also connected to a pre-adjusting (AM2) amplifier which receives, at its gain-control input, a control signal available at the output of the said first means (RG) by way of second means (MT) adapted to effect multiplication of the signal by a coefficient (x) having a predetermined value.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 206E.

149211.

Int. Cl.-B41 j 5/08.

A PRINTER CARRIAGE MONITORING APPARATUS FOR USE WITH A PRINTER FED BY A RECEIVING DEVICE WHICH RECEIVES INPUT CHARACTERS FROM A KEYBOARD CONTROL UNIT.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : GERD-JOACHIM GUNTHNER.

Application No. 491/Cal/78 filed May 4, 1978.

Convention date March 10, 1978/(09494/78) U.K.

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A printer carriage monitoring apparatus for use with a printer fed by a receiving device which receives input characters from a keyboard control unit and at least one further input device, the keyboard control unit having a store for intermediate storage of input characters, the keyboard control unit and receiving device being respectively arranged to provide first and second control signals whenever there are input thereto characters requiring motion of the printer carriage, wherein the apparatus, for providing a carriage position sig-

nal indicative of the position that the carriage will assume when not only the characters already received by the receiving device but also those stored in the store have been transmitted to the printer, includes counter means arranged, in use, to receive the first and second signals and to provide said carriage position signal, and control means for preventing duplicate operation of the counter means by the second signals when second signals are received which correspond to characters in respect of which first signals have already been received.

Comp. Specn. 19 Pages.

Drg. 1 Sheet.

Class 28 c, 180.

149212.

Int class F 24 c 3/02.

A BURNER FOR GAS STOVE OR THE LIKE COOKING AND HEATING RANGE AND A GAS STOVE OR THE LIKE COOKING AND HEATING RANGE INCORPORATING THE SAME.

Applicant : INDIAN OIL CORPORATION LTD 254-C DR ANNIE BEASANT ROAD, PRABHADEVI ROAD, BOMBAY-400 025 MAHARASHTRA INDIA.

Inventor (1) DR. RAJKUMAR GUPTA.

(2) ASHOK KUMAR MEHTA.

(3) RAMESH KUMAR PAULASTYA.

Application No. 160/Bom/78 filed May 29, 1978.

Comp. specification left on 24th Aug 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

12 claims

1. A burner for gas stove or the like cooking and heating range comprising a base provided with an inlet for gas; a vertical mixing tube provided with a damper-cum-mixer means for connecting the lower end of the said tube with base; means for ejecting the gas into the tube provided at the upper end of the base and a burner top provided with a diaphragm.

Prov. specn. 4 pages drawings nil.

Comp specn 9 pages drawings 2 sheets.

Class 128 H

149213

Int Cl A 61 b 17/00

INTRA UTERINE CONTRACEPTIVE DEVICE.

Applicant : CHEFARO PHARMACEUTICALS LTD HIMALAYA HOUSE 38, CHOWRINGHEE ROAD CALCUTTA-700 071-WEST BENGAL, INDIA.

Inventors : VENKITA SUBRAMANIAN RAJAN OF 500, JANMABHOOMI CHAMBERS WALCHAND HIRACHAND MARG, BOMBAY-400 038.

Application No. 212/Bom/1978 filed on July 17, 1978.

Complete left after provisional on Sept 4, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

1. A copper plastic intra-uterine contraceptive device comprising a stem of predetermined length having formed at one end thereof a pair of oppositely disposed flexible side arms each side arm having a plurality of prong like members of smooth curvature the said two arms being collapsible at the time of use of the device the free end of this stem having thereon a suitable member to facilitate gripping of the device while in operation.

Prov specn 4 pages drawing nil.

Comp specn 9 pages drawing 2 sheets.

CLASS 62A<sub>2</sub>

149214.

Int. Cl.-D06 3/00.

A SINGLE STAGE PROCESS FOR OBTAINING A COMBINED EFFECT OF DESIZING, SCOURING OR PRESSURE BOILING, CHLORITING, AND PEROXIDE BOILING OF TEXTILE MATERIALS AND THE TEXTILE MATERIALS SO OBTAINED.

Applicant & Inventor : VISHWANATH DATTATRAYA SAHAKARI, c/o Kamal Institute of Research and Applied

Technology, 9, Balaram Niwas, Mahatma Phule Marg, Nai-gaum Road, Bombay-400 014, Maharashtra, India.

Application No. 225/Bom/78 filed on July 28, 1978.

Complete after provisional specification left on July 13, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

3 Claims.

A single stage process for obtaining a combined effect of desizing, scouring or pressure boiling, chloriting and peroxide boiling of textile materials such as hereinbefore described comprising wetting of textile materials in an aqueous solution made up of :

- (i) 0.1—0.15% rapid wetting agent.
- (ii) 0.2—0.25% desizing enzymes.
- (iii) 0.2—1.00% hydrochloric acid, 20°—90°C. (50% strength).
- (iv) 2.0—3.00% caustic soda.
- (v) 1.0—2.00% of an emulsifying solution having a chemical analysis for each 10 parts by weight of solution to contain :
  - (a) 0.1—9.9 parts by weight of emulsifiers based on ethylene oxide condensates of nonyl phenol types such as : arylalkyl polyether or alkyl polyester alcohols.
  - (b) 0.1—9.0 parts by weight of water.
  - (c) 0.1—6.0 parts by weight of pine oil or wood turpentine oil.
  - (d) 0.01—3.0 parts by weight of carbon tetrachloride or trichloroethylene.
  - (e) 0.01—3.0 parts by weight of benzene or toluene.
  - (f) 0.1—2.0 parts by weight of acetone.
  - (g) 0.1—3.0 parts by weight of chloroform.
  - (h) 0.01—1.0 parts by weight of essential oil such as ginger grass oil or citronella oil.
  - (i) 1.0—2.5 hydrogen peroxide (50% strength).
  - (j) 0.3—0.4% commercial chlorine.
  - (k) 0.2—5.0% sodium hypochlorite, optionally in the presence of soda ash upto 5%.
  - (l) sodium silicate or sodium metasilicate upto 1.5% and
  - (m) synthetic anionic detergent or soap upto 1.0% and treated in a "kier jigger" or any other continuous or non-continuous textile processing machines or open tanks, vessels, or containers at temperatures varying from room temperature to 100°C. for 1 hour to 24 hours depending upon the temperature at which said process is carried out.

Provisional specification : 5 pages Drawings : Nil.

Complete specification : 9 pages Drawings : Nil.

CLASS 72B.

149215.

Int. Cls. Co. 6 C1/00.

**"METHOD OF PRIMING A PLURALITY OF EXPLOSIVE DEVICES AND EXPLOSIVE DEVICES SO PRIMED"**

Applicants : IMI KYNOCH LIMITED, FORMERLY IMPERIAL METAL INDUSTRIES (KYNOCHE) LIMITED, OF KYNOCH WORKS, WITTON, BIRHNGHAM B6 7BA, ENGLAND, A BRITISH COMPANY.

Inventors : GEORGE BYRON CARTER.

Application No. 595/Del/78 filed August 10, 1978.

Convention Date : August 16, 1977. (34413/77, 34414/77) U.K., March 22nd, 1978 (11492/78) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 Claims.

A method of priming a plurality of explosive devices which comprises incorporating with each device a body of primer comprising a primary explosive compound, wherein production of the primer is substantially continuous with the rate of provision thereof with the devices and comprises :

- (a) providing a quantity of substantially dry premix comprising at least two relatively insensitive materials of the kind such as herein described which will, upon addition of a conventional liquid reaction medium to the premix, react together forming the primary explosive compound but which do not react together in the premix because of the absence of such a reaction medium, the quantity of premix being large relative to the requirement for each body of primer, and
- (b) combining a quantity of said liquid reaction medium with the quantity of premix, the quantity of said liquid reaction medium being sufficient to cause the said materials to react together thereby forming the primary explosive compound.

(Complete Specification Pages 16).

CLASS 40B.

149216.

Int. Cl.-BO1j 11/00.

**A PROCESS FOR PRODUCING A CATALYST EFFECTIVE FOR SPONTANEOUS DECOMPOSITION OF HYDRAZINES.**

Applicant : SHELL OIL COMPANY, OF ONE SHELL PLAZA, HOUSTON, TEXAS 77001 UNITED STATES OF AMERICA.

Inventors : WARREN EARL ARMSTRONG, LLOYD BERNARD RYLAND AND HERVEY HARPER VOGUE.

Application No. 969/Cal/78 filed September 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for producing a catalyst effective for spontaneous decomposition of hydrazines as hereinbefore defined and capable of at least ten firings of one minute each from cold starts with less than 50 milliseconds delay and no appreciable compression at the start, which comprises : introducing into the pores of a carrier as herein described having a pore volume of at least 0.1 cubic centimeter per gram and a specific surface area, measured in square metres per gram, equal to  $19/5 (C_p + 0.13 + 0.736 V_p)$  where  $C_p$  is the specific heat capacity of the carrier at about 250°C in calories per gram per °C and  $V_p$  is the pore volume of the carrier in cubic centimeters per gram, a solution of salts of the group consisting of iridium salts and mixtures of salts of iridium and ruthenium which salt undergoes decomposition at a temperature below 450°C, said solution containing said metal in an amount between 0.02 and 0.6 gram atoms of said metal per liter and having a pH between 0.5 and 4, drying the solution—containing carrier to deposit said salt in the pores thereof; heating the carrier to decompose the deposited salt; reimpregnating the pores of the carrier with said salt solution; again drying the carrier and decomposing the salt; repeating the impregnation of the carrier with said salt, the drying of the reimpregnated carrier and the decomposition of the deposited salt at least seven times until the catalyst contains from 20% to 40% by weight of the said metal; and heating the catalyst in a stream of hydrogen gas at a temperature between 200 and 500°C to convert the decomposition products of the deposited salt to catalytically active metal.

Comp. Specn. 18 Pages.

Drgs. Nil.

CLASS 66 D 9.

149217.

Int. Cl.-HO 1 j 1/00.

**AN ELECTRIC FLUORESCENT TUBE WITH TWIN OR MULTIPLE SETS OF STANDBY FILAMENTS (HEATING ELECTRODES).**

Applicant : SUDHIR DIGAMBER MODAK A-1/13 RAMBAUG COLONY 'PANCHAL DEEP' BUNGALOW POONA-411030. MAHARASHTRA INDIA.

Application No. 272/Bom/78 filed SEPT 12, 1978.

Complete specification after provisional left on MAY 25, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

1 Claim.

1. An electric fluorescent tube with twin or multiple sets of stand by filaments (heating electrodes) provided on each of the said tube as integral components of the said fluorescent tube characterised in that there are provided two numbers of insulating discs having suitable holes, corresponding to the size and distance between the pins of the said fluorescent tube and two contact strips on the underside of the said discs; the said each contact strip having a hole and slightly projecting through the hole in the said disc, on placing the said discs over the pins of the fluorescent tube the said contact strips will establish contact from the pins of the tube to the stand-by electrode to give additional life to the tube.

Comp specn 5 pages drawing sheet 1.

Prov specn 3 pages drawing sheet 1.

CLASS 65 A2+A4. 149218.

Int. Cl.-HO2 m 7/00.

FULL WAVE BRIDGE RECTIFIER FOR RECTIFYING HIGH AND MEDIUM VOLTAGES.

*Applicant* : ELPRO INTERNATIONAL LIMITED A COMPANY INCORPORATED UNDER THE PROVISIONS OF INDIAN COMPANIES ACT OF CHINCHWAD GOAN POONA-411033 MAHARASHTRA INDIA.

*Inventor* : SHRIDHAR MORESHWAR PARANJPE.

Application No 273/BOM/78 filed SEPT 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

4 Claims

1. A full wave bridge rectifier for rectifying high and medium voltages consisting of a continuous chain of rectifying elements such as diodes characterised in that the rectifying elements are attached on or within a three dimensional curvilinear base board as illustrated in the drawings; said base board having at least one peak and two troughs for input and output terminals.

Comp specn 5 pages.

drawings 2 sheets.

CLASS 129M.

Int Cl.-B 23d 19/00.

IMPROVEMENTS RELATING TO ROTARY SHREDDING APPARATUS.

*Applicant* : METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, ENGLAND.

*Inventor* : ROGER GEORGE RICKETT.

Application No. 1265/Cal/77 filed August 16, 1977.

Convention date August 17, 1976/(34262/76) U.K.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Rotary shredding apparatus of the kind hereinbefore specified, having, interposed between the rotor and the reduction gearing, a clutch adapted to isolate the rotor with its inertia from the cutter shafts in direct response to the torque on the shafts reaching a predetermined limiting value, the reduction ratio of the reduction gearing as herein defined being such that the value of the lowest rotational cutter shaft speed obtaining for any value of the output torque of the drive means is always greater than a predetermined critical value, which is defined by the ratio of said output torque to the corresponding value of the said lowest cutter shaft speed when the force applied to a working surface of a cutter element by

an object introduced into the comminuting chamber reaches a maximum permitted value corresponding to crash-stop conditions, whereby the said limiting value of torque on the shaft is encountered only under crash-stop conditions.

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

CLASS 9D & F.

149220.

Int. Cl.-C22c 33/00, 37/08.

A METHOD OF PREPARING A NOVEL HEAT RESISTANT ALLOY.

*Applicant* : ABEX CORPORATION, 530 FIFTH AVENUE, NEW YORK, NEW YORK 10036, U.S.A.

*Inventors* : BRUCE ALBERT HEYER AND DONALD LAWRENCE HUTH.

Application No. 19/Cal/78 filed January 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A conventional method of preparing a novel heat-resistant alloy in as-cast form essentially in the configuration required for service, neither worked nor heat treated, and containing as starting materials in weight percent, carbon 0.25 to 0.8, nickel 8 to 62, chromium 12 to 32, tungsten 0.05 to not more than about 2, titanium 0.05 to less than 1, silicon up to 3.5, manganese up to 3, niobium up to 2, nitrogen up to 0.3, balance iron except for normal tramp elements, deoxidizers and foundry impurities, said method comprising the step of preparing a melt of said starting materials in a furnace and the subsequent step of tapping the furnace to make the alloy, and balancing in the melt the amount of carbon, nickel and chromium so that the microstructure is austenite substantially devoid of ferrite and the amount of tungsten combined with titanium so as to result in a value of creep rupture strength exceeding the creep rupture strength of the alloy not containing tungsten and titanium.

Comp. Specn. 25 Pages.

Drg. 3 Sheets.

CLASS 14A<sub>1</sub> & A<sub>c</sub>

149221.

Int. Cl.-H01m 1/08, 43/02.

HERMETICALLY SEALED BATTERY OF SECONDARY VOLTAIC CELLS.

*Applicant & Inventors* : ALEXANDER IVANOVICH SHILNIKOV, OF NOVOALEXEYEVSKAYA ULITSA, 11, KV. 16, MOSCOW USSR, (2) FERDINAND RKHAROVICH JUPPETS, OF ULITSA YAROSLAVSKAYA, 4, KORPUS 1, KV. 18, MOSCOW, USSR, (3) IRINA EVGENIEVNA YABLOKOVA, OF ULITSA CHERNYSHEVSKOGO, 20/1, KV. 16, MOSCOW USSR, (4) GENNADY LVOVICH RIZNIKOV, OF ULITSA BUTLEROVA, 10, KV. 258, MOSCOW USSR, (5) GENNADY ZINOVIEVICH KAZAKEVICH, OF ULITSA AKADEMIKA PAMLOVA, 48, KV. 23, MOSCOW, USSR, (6) GERTRUDA DMITRIEVNA OZOLINA, OF PROEPEKT MIRA, 182, KORPUS 3, KV. 24, MOSCOW, USSR, (7) ALBERT PETROVICH CHERNOGLAZOV, OF ULITSA TASHKENTSKAYA, 22, KORPUS 1, KV. 166, MOSCOW USSR, (8) JURY IVANOVICH ELAGIN, OF ULITSA BAZHOVA, 15, KORPUS 1, KV. 78, MOSCOW USSR; (9) VYACHESLAV NIKOLAEVICH STREMOKHOB, OF ULITSA BOLSHAYA AKADEMI-CHESKAYA, 45, KV. 48, MOSCOW, USSR, (10) ALEXANDR BORISOVICH KIPNIS, OF ULITSA PROFESSOR JUZNAYA, 118, KORPUS, 11, KV. 101, MOSCOW, USSR, AND JURY IVANOVICH BOGOMAZOV, ULITSA PERVOMAISKAYA, 76, KV. 10, MOSCOW, USSR.

Application No. 209/Cal/78 filed February 25, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A hermetically sealed battery of secondary voltaic cells, characterised in that the container of said battery accommodates an extra voltaic cell adapted to adsorb the gas evolved by said secondary voltaic cells, the positive and negative electrodes of the latter being electrically inter-connected, said extra

voltaic cell for the gas to adsorb featuring its negative electrode being coated with a material consisting of a hydrogen oxidation catalyst, the ratio between the thickness of the negative and the positive electrodes being within 0.02 and 0.05, and the ratio between the amount of electrolyte filling the voids of the electrodes and the electrode void content to be within 0.45 and 0.6.

Comp. Specn. 9 Pages. Drg. 1 Sheet.  
CLASS 171. 149222.  
Int. Cl.-A63b 33/00.

#### SAFETY SPORTS GOGGLES.

*Applicant & Inventor* : RAY LOUIS SOLARI, OF 1670 CORDOVA STREET, LOS ANGELES, CALIFORNIA 90007, UNITED STATES OF AMERICA.

Application No. 761/Cal/78 filed July 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

Safety goggles for use in sports, comprising : frame means for being worn on the face of a wearer and including frame parts defining first and second openings respectively located opposite the eyes of the wearer; each of said frame parts including first and second members extending respectively from top and bottom portions of the frame parts into the opening defined by the frame parts.

Comp. Specn. 10 Pages. Drg. 2 Sheets.  
CLASS : 55F. 149223.  
Int. Cls.-A.61.K, 27/10.

#### "PROCESS FOR THE PRODUCTION OF MODIFIED ERYTHROCYTES."

*Applicants* : STUDIENGESELLSCHAFT KOHLE MBH., A GERMAN JOINT STOCK COMPANY OF KAISER-WILHELM-PLATZ 1, MULHEIM/RUHR, WEST GERMANY AND PROFESSOR DR. KLAUS GERSONDE, A GERMAN CITIZEN, OF PREUSWEG 69, AACHEN, WEST GERMANY.

*Inventor* : PROFESSOR DR. KLAUS GERSONDE.

Application No. 641/Del/78 filed 30th August, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Municipal Market, Saraswati Marg, Karol Bagh, New Delhi-110005.

#### 7 Claims.

A process for the production of modified erythrocytes having improved  $O_2$ -release which comprises fusing lipid vehicles loaded with allosteric effectors into erythrocytes and binding the allosteric effectors to the haemoglobin of the erythrocytes.

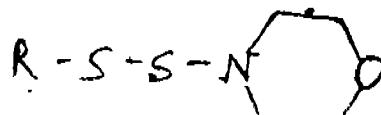
Complete Specification 31 pages and Drawing 9 Sheets.  
CLASS : 32.F2(b). 149224.  
Int. Cls.-C07d—95/00.

#### "A PROCESS FOR THE PRODUCTION OF MORPHOLINO-DITHIOTIAZOLES."

*Applicants* : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY, MANUFACTURERS.

*Inventors* : 1. KARL-HEINS STAINACKER, 2. CARL DIETER BARNIKAI, 3. ALFRED NIERTH AND 4. MANFRED FINZENHAGEN.

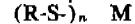
Application No. 643/Del/78 filed August 30, 1978.



Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 11 Claims.

A process for the production of a morpholine-dithio-thiazole corresponding to the general formula as shown in Fig. I in which  $\text{R}$  represents a 2-benzthiazole or 2-naphthiazole radical which may optionally be substituted by one or more straight-chain or branched-chain alkyl groups containing from 1 to 10 carbon atoms, which comprises reacting an aqueous solution of a mercapto-thiazole salt corresponding to the general formula :—



in which  $\text{R}$  is as defined above.

$\text{M}$  is an ion of a metal or semi-metal such as herein described and

$n$  is an integer from 1 to 3;

with morpholine, sulphur and an oxidising agent such as herein described in the presence of a catalyst such as herein described in an aqueous medium, and adding an acid such as herein described to the mixture,

Complete specification 16 pages. Drawing one sheet.  
CLASS 27.I.. 108.C.3. 149225.

Int. Cls.-E04C—5/01.  
B21C 1/16. 37/04.  
B21f 21/00.

#### "A STEEL FIBRE FORMING MACHINE".

*Applicants* : THE DIRECTOR-GENERAL, CEMENT RESEARCH INSTITUTE OF INDIA, M-10 SOUTH EXTENSION, PART-II, NEW DELHI-110049.

*Inventors* : RATTAN LAL AND RAGHAVENDRA NARASIMHAMURTHY.

Application No. 646/Del/78 filed August 31, 1978.

Complete Specification left on August 27, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 4 Claims.

A steel fibre forming machine for forming steel fibres for use in cement concrete comprising of a carriage having a female die member capable of having a reciprocal movement to a stationary male die member, transmission means provided for imparting a movement to said carriage characterised in that feeding means are provided for feeding a wire to said die members, said feed means comprising a movable and a stationary blank, said stationary blank being adapted to hold the wire during the step of formation of the wire, said movable blank having a transverse movement relative to said stationary blank.

Provisional specification 4 pages.

Complete specification 9 pages and Drawing 1 sheet.  
CLASS 174F. 149226.

Int. Cl.-G12b 3/00, F17d 1/10.

IMPROVEMENT IN GATE VALVES FOR USE IN LARGE SIZE DUCTS HAVING AN OBSTRUCTION SUCH AS AN INNER PIPE EXTENDING THERE-THROUGH.

*Applicant* : COMBUSTION ENGINEERING INC., OF 1000 PROSPECT HILL ROAD WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventor* : FRED KENNETH RICKARD.

Application No. 1003/Cal/78 filed September 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

Gate valves for use in large size ducts having an obstruction such as an inner pipe and employing a pair of diametrically opposed gate valves, which in an open position are located

on opposite sides of the duct, the leading edge of each gate valve having a configuration that matches the obstruction, sealing plate means extending from two opposite sides of the duct to the obstruction, the gate valves in their closed position seating in the sealing plate means and against the obstruction to close off the duct completely.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 80J.

149227.

Int. Cl.-E03b 3/18.

**IMPROVEMENTS IN OR RELATING TO TUBEWELL STRAINER OR FILTER.**

*Applicant & Inventor* : SURJA KANTA PAUL, ARJUN-PUR, PASCHIM PARA, CALCUTTA-700 059, WEST BENGAL, INDIA.

Application No. 1376/Cal/78 filed December 26, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An improved tubewell strainer or filter characterised in that it comprises of a tubular body of rigid or thermoplastic material with a plurality of arc-shaped slits on its body, wherein the length of each slit varies in the range of 3mm to 6 mm and the width of each slit varies between 0.01 mm to 0.050 mm and both the ends of the tubular body are screw threaded.

Comp. Specn. 4 Pages.

Drg. 1 Sheet.

CLASS 84A.

149228.

Int. Cl.-B01j 7/00.

**SHAFT FURNACE FOR GASIFYING FINE-GRAINED FUELS IN A FLUIDISED BED.**

*Applicant* : DAVY INTERNATIONAL AKTIENGESELLSCHAFT, OF BORSIGALLEE 1-7, D-6000 FRANKFURT/MAIN 60, WEST GERMANY.

*Inventors* : DAVY POWERGAS GMBH, DR. WILHELM FLESCH.

Application No. 36/Cal/79 filed January 12, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Shaft furnace for gasifying fine-grained fuels, especially coal of coke, in a fluidised bed at normal or elevated pressure with indirect cooling of the gas duct above the after-gasification zone, comprising a radiation tube boiler installed in the gasifier shaft and having cooled internal surfaces in the form of radiation tube heating surfaces, which are designed as parts of a steam-generator, said radiation tube boiler having a small water content compared with the heat content of the fuel bed and the radiation tube boiler surface installed in the gasifier shaft being dimensioned so that its cooling effect is only so great that the gasification residues entrained with the gas are no longer able to sinter to parts of the equipment in the subsequent gas path, characterized in that the shaft section (10) of the gasifier (1) in which the cooling surfaces (11) are arranged, has a larger cross-section than the shaft section (9) which is situated therebeneath and in which the gasification reaction takes place.

Comp. Specn. 11 Pages.

Drg. 1 Sheet.

CLASS 113C.

149229.

Int. Cl.-F21 v-33/00, F24 j 3/04.

**A NIGHT-LAMP-CUM-FEED BOTTLE WARMER.**

*Applicants* : RAVINDRANATH SADANAND HATE, 31 LAXMI NIWAS, ELPHINSTONE ROAD, BOMBAY-400 013.

Application No. 27/BOM/1979 filed January 25, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

2 Claims.

A night lamp-cum-feed bottle warmer comprising a base having any geometrical shape and made from electrically insulating material, said base having a central depression forming a seat on which is detachably mounted a cylindrical member and wherein said base carries a transversely extending hole connecting a vertical hole in the center of the depression of the base for passing therethrough a flexible cord and said base being provided with an electrical lamp holder and a lamp; said cylindrical member being made from asbestos cement pipe section, plastic, glass or earthenware pipe section and wherein said member being provided with four or more transversely extending equidistant holes formed at the same height near its lower end and to each of said hole is fitted a translucent or opaque coloured stopper/peg/button and the inner peripheral wall of said member being provided with four or more blind transverse holes near its middle portion to which are adhesively fixed the rivets/pins which project inwardly and on which is detachably mounted a perforated metal disc forming a support member/seat for a feed bottle carrying liquid to be warmed, the arrangement being such that when the night lamp is switched 'ON' the air in the space between said base and the perforated metal disc plate gets heated by the heat emitted by the said lamp, which warms the fluid in the feed bottle placed over the disc within said cylindrical member.

Complete specification 7 Pages.

Drawing 2 Sheets.

CLASS 102B.

Int. Cl.-F16h 41/20.

**A DEVICE FOR CONTROLLING THE POWER TRANSMITTED BY FLUID COUPLING OR TORQUE CONVERTER.**

*Applicant & Inventor* : SRINIVASAN GOPALAKRISHNAN, C/o. MR. R. SRINIVASAN, H 14-A, H.I.G. BLOCK, 26TH EAST STREET/80 FEET ROAD, TAMIL NADU HOUSING BOARD COLONY, THIRUVANMIYUR, MADRAS-600041, TAMIL NADU.

Application No. 7/Mas/79 filed January 23, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

A device for controlling the power transmitted by fluid coupling or torque converter comprising a plurality of elements as herein described of the fluid coupling or the torque converter, having a casing thereon, the said casing having at least one port and one or more detachable or non-detachable means mounted thereon for varying the volume of the transmission liquid in-between the said elements of the fluid coupling or the torque converter through the said port or ports for stepless control of power and speed from zero to maximum and known means for dissipation of heat generated due to transmission losses.

(Com.—6 pages; Drwgs. —1 sheet of size 33.00 cms. X 41.00 cms).

CLASS 76B.

149231.

Int. Cl.-F16b 2/00.

**CLAMP AND CLAMPING DEVICE FOR MACHINE SHOP APPLICATIONS.**

*Applicant & Inventor* : RAJENDRA KRISHNA HIRLEKAR OF 18/19, INDUSTRIAL ESTATE, GULTEKADI, PUNE-411 009, MAHARASHTRA, INDIA.

Application No. 33/BOM/1979 filed on 31 January 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

Clamp and clamping device for machine-shop applications comprising a basic common construction of a wedge, characterised in that on tightening the clamping screw actual clamping component is pushed down or pushed forward over a wedge or wedge-like portion resulting in described clamping

effect over the component held between the said clamp or clamping device.

Complete specification 6 pages. Drawings 2 Sheets.  
CLASS 107I. 149232.  
Int. Cl.-F02m 19/08 and 7/24.

**A PETROL ECONOMISER FOR USE WITH PETROL-OPERATED INTERNAL COMBUSTION ENGINES.**

*Applicant & Inventor* : ARCOT JANAKIRAM LOGATHAN, 38, ST. JOHN'S ROAD, BANGALORE-560042, KARNATAKA.

Application No. 39/Mas/79 filed March 3, 1979.  
Complete specification left August 24, 1979.  
Patent of Addition to 5/Mas/74 (140090).  
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**2 Claims.**

A petrol economiser for use with a petrol-operated internal combustion engine consisting of a mixing-tube, having a venturi throat, for being fitted in the place of the venturi-tube of the carburettor of the engine, with the first end of said mixing tube in communication with the fuel-inlet system of the engine and with the second end thereof in communication with atmosphere, the said mixing-tube having a plurality of rows of peripheral apertures surrounding the region of entry of fuel from the fuel-jet of the carburettor, into the said mixing tube, so as to cause a main-stream of air and peripheral-streams of air to be drawn into the said mixing-tube through the second end thereof and through the said aperture, respectively, and mixed intensely with the fuel emerging from the fuel-jet, in the region of the said mixing tube where the said apertures are located, during operation of the said engine, characterised by a choke tube inserted within the mixing tube at the second end thereof and spaced from the internal periphery of the mixing tube by supporting means.

(Prov.—5 pages; Com.—7 pages; Drg. 1 Sheet).  
CLASS 206 K. 149233.  
Int class H03 j 1/06.

**AN IMPROVED DRIVE SYSTEM FOR TUNING IN FREQUENCIES IN A RADIO.**

*Applicant* : PIECO ELECTRONICS AND ELECTRICALS LIMITED OF SHIVSAGAR ESTATE BLOCK 'A' DR. ANNIE BFSANT ROAD, BOMBAY 400 018. MAHARASHTRA INDIA AN INDIAN COMPANY.

*Inventor* : GOKHALE SHRIRANG KAMALKAR.  
Application No. 66/BOM/1979, filed on March 5, 1979.  
Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

**5 Claims.**

1. An improved drive system for tuning in frequencies in a radio comprising a drum adapted to be fixedly connectable to the gang condenser and a linkage mechanism comprising a first lever one end of which is rotatably mounted on the drum and the other end of which is provided with an indicator perpendicular thereto and a second lever one end of which is pivoted or hinged at the centre of the first lever and the other end of which is adapted to be rotatably connectable to the radio panel.

Comp specn 6 pages drawing 2 sheets.  
CLASS 94C & 132D. 149234.  
Int. Cl. B 02 c 7/10 & B 28 c 5/08.

**A HIGH SPEED MULLER.**

*Applicant* : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600036, TAMIL NADU.

*Inventors* : (1) HATHIBELAGAL MAHAMMED ROSHAN (2) ERODE GANAPATIYER RAMACHANDRAN (3) SOMASUNDARAM SARAVANA MUTHU.

Application No. 45/Mas/79 filed March 7, 1979.

Complete specification left May 21, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**3 Claims.**

A high speed muller comprising a bowl for receiving the moulding sands to be mixed; a cross-head, rotatably driven by a prime mover, disposed within the bowl; a mulling wheel with its axis freely located within the cross-head and also disposed within the bowl so as to leave a small space between its periphery and the inner lining of the bowl, such that during rotation of the cross-head, the said wheel comes into contact with the said sands in the said space and is thus also caused to rotate about its axis; a blade attached to the cross-head and rotating therewith said blade slicing through the said sands to direct them to the said space to result in a thorough mixing action.

(Prov.—4 pages; Com.—7 pages; Drg.—1 sheet).

CLASS 131C. 149235.  
Int. Cl.-E21d 11/00.

**DEVICE FOR SUPPORTING A GALLERY OR A TUNNEL.**

*Applicant* : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

*Inventors* : WILHEIM ALTHALER AND ALFRED ZITZ.  
Application No. 313/Cal/79 filed March 29, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**7 Claims.**

A device for supporting a gallery or a tunnel which is drifted by a mining machine as a rotary miner by means of provisional and, subsequently, definite supporting frames, the provisional frames consisting in a cap-like central portion and two side elements hinged on the central portion and adjustable in length by means of a cylinder and piston unit, said central portion plus said side elements forming an U-shaped element which is reduceable to a frame size narrower than the inner width of a positioned provisional frame but wider than the uttermost profile of mining machine, said device being characterized in that within a gallery which shall be supported by frames closed on all sides the free legs of the U-shaped elements are connectable with one another through floor girders which may remain, if desired, on the floor as a part of a definite support frame.

Comp. Specn. 9 Pages. Drg. 2 Sheets.

CLASS 24B. 149236.  
Int. Cl. F 16 d 51/06.

**AN IMPROVED CAM BRAKE.**

*Applicant* : BRAKES INDIA LTD., PADI, MADRAS-600050, TAMIL NADU.

*Inventors* : (1) NAGENAHALLI KHADER MOHAMED SHAFI (2) KRISHNASWAMY VASU.

Application No. 63/Mas/79 filed April 25, 1979.

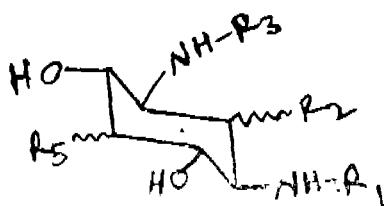
Complete specification left June 16, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**2 Claims.**

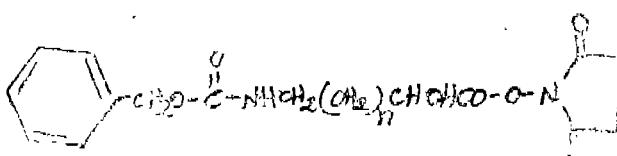
An improved cam brake comprising a primary shoe and secondary shoe surrounded by a drum, the said shoes, when actuated, being lifted outwardly to be thrust against the drum for executing a braking action, characterised by a cam having differential leading and trailing profiles for lifting the primary and secondary shoes unequally by a ratio greater than unit such that for a given rotation of the cam the leading profiles lifts the primary shoe to an extent greater than that





(herein in the presence of a mutant microorganism according to known processes and isolating the product from the culture medium, wherein R<sup>1</sup> and R<sup>2</sup> represent hydrogens or together represent a single bond joining the two amino nitrogen atoms together and R<sub>1</sub> and R<sub>2</sub> have the above meanings, said mutant microorganism being *Micromonospora purpurea* ATCC, 31, 119,

wherein a compound of formula I where R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> each represent hydrogen, and R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> have the indicated meanings is produced with the proviso that when one of R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represents an  $\omega$ -amino- $\alpha$ -hydroxy-lower-alkanoyl group, reacting the compound of Formula I obtained with an N-hydroxy-succinimide ester having the Formula IV.



(herein) where n is zero or 1 and subjecting the benzyloxy-carbonyl group in the resulting product to hydrogenolysis with hydrogen over a catalyst, according to known processes, and, if desired, converting according to known processes a free base obtained to an acid-addition salt thereof.

Comp. Specn. 31 Pages.

Drg. 1 Sheet.

#### OPPOSITION PROCEEDINGS

(1)

The opposition entered by Victory Flask Co. Pvt. Ltd. to the grant of a patent on application No. 148373 made by Mario Posnansky & another as notified in Part-III, Section 2 of the Gazette of India, dated the 19th September, 1981 has been dismissed due to non-filing of the written statement of opposition.

(2)

The opposition entered by Indo National Limited to the grant of a patent on application No. 143535 made by Rathindra Nath Datta, as notified in Part-III, Section 2 of the Gazette of India dated the 24th June, 1978 has been dismissed.

(3)

The application for patent No. 147242 made by Jayantilal Bhogilal Shah in respect of which an opposition was entered by Mazda Manufacturing Company as notified in Part-III, Section 2 of the Gazette of India, dated the 26th July, 1980 has been treated as deemed to have been abandoned.

#### PATENTS SEALED

143653 147346 147937 147941 147958 147971 147974 147976  
 147982 147991 147993 148010 148011 148017 148027 148028  
 148030 148031 148042 148049 148051 148052 148055 148062  
 148194 148279 148308 148382 148384 148387 148388 148389  
 148390 148391 148392 148394 148395

*Application for Settlement of the terms of licence under Section 88(2).*

An application for settlement of the terms of licence under Section 88(2) of the Patents Act, 1970 has been filed by Coromandel Indag Products (P) Ltd., Sudarsan Buildings, 3rd Floor, 14, Whites Road, Madras-600 014 in respect of Patents Nos. 104120 and 125381.

#### RENEWAL FEES PAID

105659 105732 105780 106373 106451 106938 107007 110219  
 111211 111602 111833 111849 112287 112948 114404 115255  
 115670 115748 116150 116343 116346 116451 116671 117159  
 117596 117643 119881 120786 121450 122091 122117 122247  
 122287 122390 122407 122595 122844 122873 123176 126391  
 127028 127059 127297 127885 128019 128036 128073 128401  
 129162 131649 131650 131672 131733 131943 131944 131965  
 132026 132040 132378 132405 132545 132548 132884 132929  
 133066 133135 133549 133518 135362 135411 135444 135445  
 135639 136150 136467 136912 137058 137207 137277 137713  
 137738 137807 138312 138749 139151 139184 139244 139291  
 139392 139460 139520 139618 139669 139862 139887 139917  
 139963 139981 140201 140248 140504 140632 140654 140744  
 140789 140809 141083 141084 141091 141154 141199 141240  
 141544 141623 141871 141873 141993 142035 142158 142502  
 142599 142607 142620 142654 142682 142738 143188 143253  
 143259 143568 143745 143772 143806 143841 144080 144081  
 144082 144130 144132 144145 144163 144202 144288 144400  
 144466 144479 144486 144606 144832 144860 144951 144964  
 145304 145333 145547 145703 145718 145786 145899 145921  
 145926 145928 145931 145935 145978 145997 146034 146035  
 146036 146047 146118 146140 146170 146200 146267 146284  
 146392 146419 146599 146614 146619 146628 146642 146737  
 146757 146902 146957 146978 147017 147089 147098 147212  
 147297 147322 147350 147359 147362 147368 147369 147371  
 147375 147377 147378 147422 147444 147448 147474 147482  
 147510 147522 147528 147544 147546 147547 147562 147565  
 147567 147574 147590 147591 147598 147599 147629 147654  
 147659 147663 147720 147727 147833 148052

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 150883. Kekaster Tools of 138, Bhagat Singh Market, New Delhi-110001, Union Territory of India, a proprietorship concern. "Three Jaws Hydraulic Puller Set". June 8, 1981.

Class 3. No. 150163. Rustom & Company, an Indian Partnership Firm of 9, Anand Niwas, 'A' Road, Churchgate, Bombay-400020, Maharashtra, India. "Cam-rider Bush". November 29, 1980.

Class 3. No. 150331. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, India, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150332. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, India, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150333. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, India, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150336. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, India, an Indian Partnership Firm. "Mirror Frames". January 28, 1981.

Class 3. No. 150338. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, India, an Indian Partnership Firm. "Mirror Frames". February 16, 1981.

Class 3. No. 150408. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, India, an Indian Partnership Firm. "Mirror Frames". February 16, 1981.

Class 5. No. 150101. Rustom & Company, an Indian Regd. Partnership Firm of 9, Anand Niwas, 'A' Road, Churchgate, Bombay-400 020, Maharashtra, India. "Cam". October 31, 1980.

S. VEDARAMAN,  
 Controller General of Patents, Designs  
 and Trade Marks.